1U5

1U5
DIODE-PENTODE

MINIATURE TYPE

GENERAL DATA

Electrical:

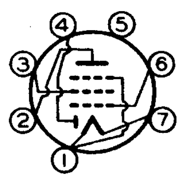
Filament, Coated:

Voltage	1.4	dc volts
Current	0.05	amp

Mechanical:

Mounting Position	Any
Maximum Overall Length	2-1/8"
Maximum Seated Length	1-7/8"
Length, Base Seat to Bulb Top (excluding tip)	1-1/2" ± 3/32"
Maximum Diameter	3/4"
Bulb	T-5-1/2
Base	Small-Button Miniature 7-Pin
Basing Designation for BOTTOM VIEW	6BW

Pin 1 - Filament (-), Pentode Grid No.3
Pin 2 - Pentode Plate
Pin 3 - Pentode Grid No.2



Pin 4 - Diode Plate
Pin 5 - No Connection
Pin 6 - Pentode Grid No.1
Pin 7 - Filament (+)

PENTODE UNIT

AMPLIFIER - Class A_1

Maximum Ratings, ***Design-Center Values*****:**

PLATE VOLTAGE	90 max.	volts
GRID-No.2 (SCREEN) VOLTAGE	90 max.	volts
GRID-No.1 (CONTROL-GRID) VOLTAGE:		
Negative bias value	50 max.	volts
Positive bias value	0 max.	volts
TOTAL MAX.-SIGNAL CATHODE CURRENT	3 max.	ma.

Characteristics:

Plate Voltage	67.5	volts
Grid-No.2 Voltage	67.5	volts
Grid-No.1 Voltage	0	volts
Plate Resistance (Approx.)	0.6	megohm
Transconductance	625	μmhos
Plate Current	1.6	ma.
Grid-No.2 Current	0.4	ma.

Typical Operation as Resistance-Coupled Amplifier:

See RESISTANCE-COUPLED AMPLIFIER CHART at front of this Section.

DIODE UNIT

The diode is located at the negative end of the filament and is independent of the pentode unit except for the common filament.

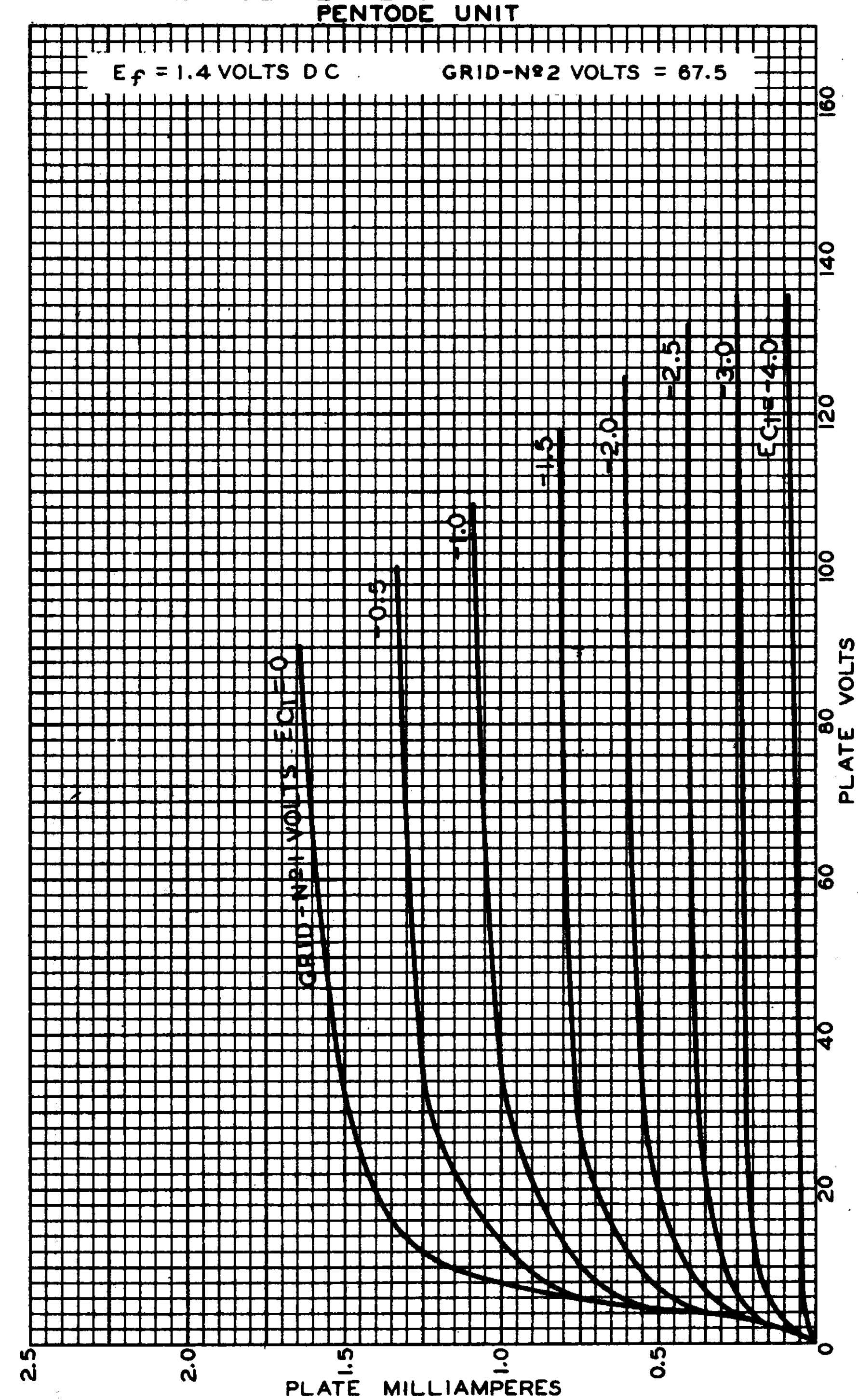
Curve shown under Type 1S5 also applies to the 1U5.

RCA

1U5

AVERAGE PLATE CHARACTERISTICS

PENTODE UNIT



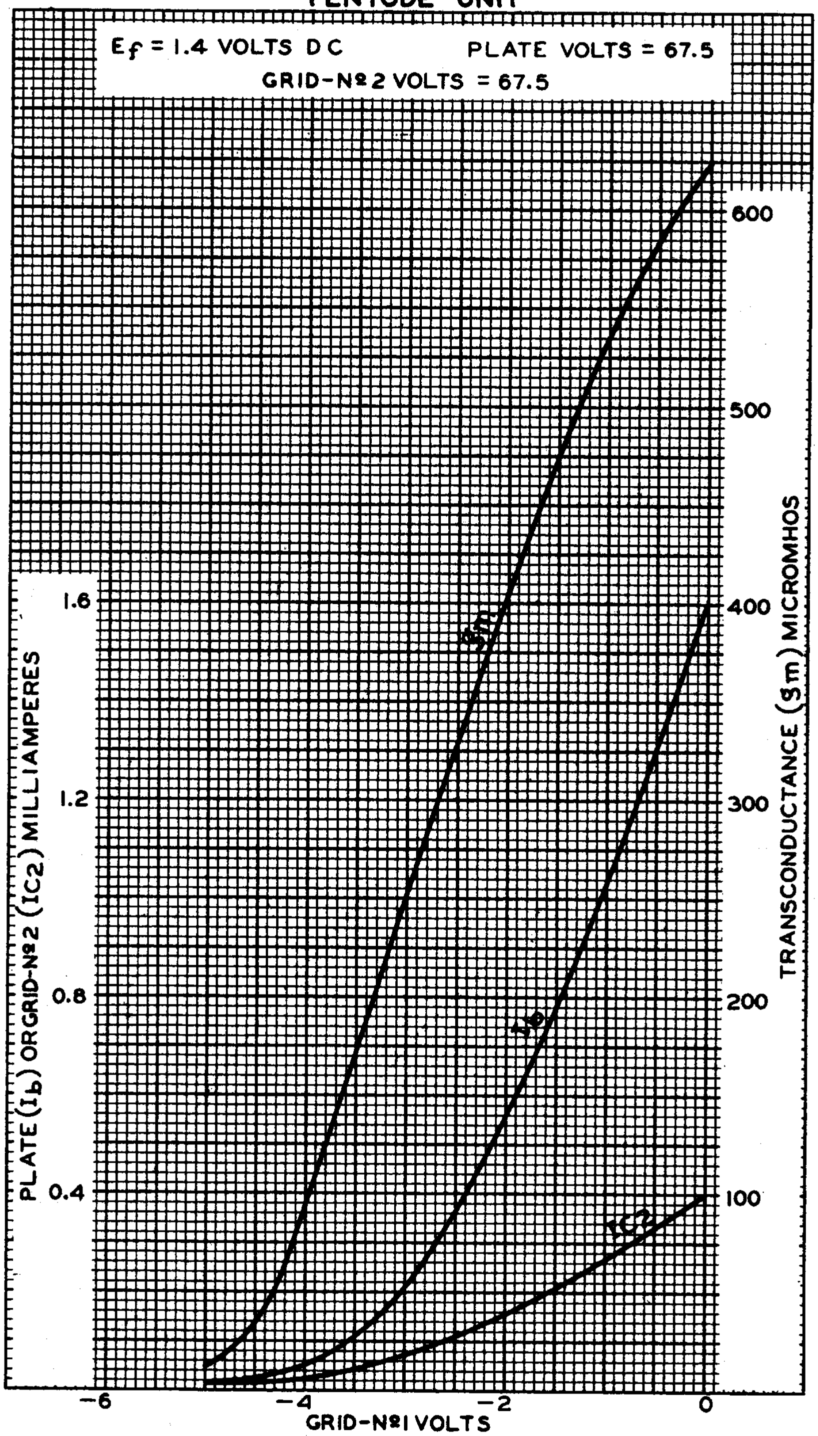
JUNE 12, 1941

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-6158R1

1U5

AVERAGE CHARACTERISTICS
PENTODE UNIT



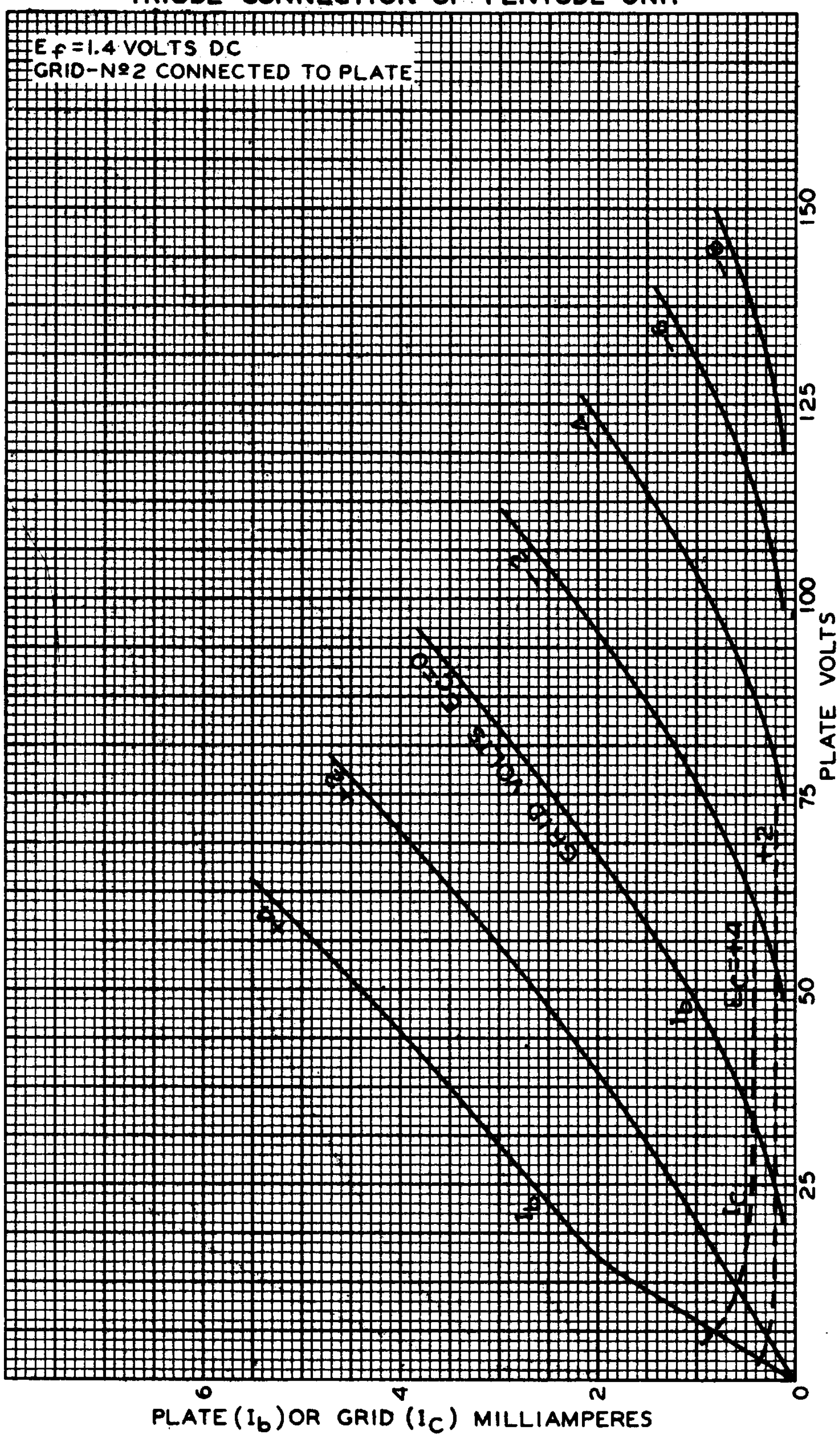
JUNE 12, 1941

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-6172R1

1U5

AVERAGE PLATE CHARACTERISTICS
TRIODE CONNECTION OF PENTODE UNIT



JAN. 2, 1942

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM - 6351R1